

AMENDMENTS TO THE SPECIFICATION

Please amend the following paragraphs:

[0004] As shown in FIG. 1, the X-ray detecting panel includes a photo sensitive layer 6 for detecting an X-ray, and a thin film transistor array 4 provided on a substrate 2 to switch and output the detected X-ray signal from the photo sensitive layer 6. The thin film transistor array 4 includes pixel electrodes 5 arranged in a pixel unit, and thin film transistors (TFT's), each of which is connected to a charging capacitor Cst, a gate line 3 and a data line (not shown). On the upper portion of the photo-sensitive layer 6 is provided a dielectric layer 7 and an upper electrode 8, which is connected to a high voltage generator 9. The photo-sensitive layer 6 made from a selenium with a thickness of hundreds of micrometers μm [[$\square\text{m}$]] detects an incident X-ray to convert it into an electrical signal. In other words, the photo-sensitive layer 6 produces an electron-hole pair when an X-ray is incident thereto and separates the electron-hole pair when a high voltage of several kV generated from the high voltage generator 9 [[10]] is applied to the upper electrode 8. Holes separated from electrons are charged in the charging capacitor Cst by way of the pixel electrode 5, and a portion of the holes is accumulated on the surface of the pixel electrode 5. This results in the number of holes accumulated in the charging capacitor Cst being reduced. In order to prevent such a reduction, a charge blocking layer 11 is formed on the pixel electrode 5. The thin film transistor (TFT) responds to a gate signal inputted over the gate line 3 to apply a voltage charged in the charging capacitor Cst to the data line. Pixel signals supplied to the data line are applied to a display device via a data reproducer, thereby displaying a picture.

[0032] It is to be understood that both the foregoing general description and the following detailed description are exemplary and explanatory and are [[re]] intended to provide further explanation of the invention as claimed.